



Attachment 5



P1. TOTAL POPULATION [1] - Universe: Total population
Data Set: Census 2000 Summary File 1 (SF 1) 100-Percent Data

NOTE: For information on confidentiality protection, nonsampling error, and definitions, see
<http://factfinder.census.gov/home/en/datanotes/expsf1u.htm>.

	Angels City city, California
Total	3,004

U.S. Census Bureau
Census 2000

Standard Error/Variance documentation for this dataset:

Accuracy of the Data: Census 2000 Summary File 1 (SF 1) 100-Percent Data (PDF 44KB)

Attachment 6

PETITION FOR RULE MAKING
KBYN, INC.
RE-ALLOT CHANNEL 240A
ANGELS CAMP, CALIFORNIA
January 2005

TECHNICAL STATEMENT

1. This technical statement and attached exhibits have been prepared on behalf of KBYN, Inc. ("KI"), licensee of KBYN, Channel 240A, Arnold, California. KI requests that Channel 240A be re-allotted from Arnold, California to Angels Camp, California, as that community's first locally licensed FM station. It is noted that the proposed facility in Angels Camp, California, is mutually exclusive with the licensed KBYN facility in Arnold.

PROPOSAL

2. Channel 240A can be allotted to Angels Camp, California, with a site restriction 4.5 kilometers southeast of the community to avoid shortspacing KYMX, Channel 241B, Sacramento, California. The geographic coordinates for the proposed allocation site are North Latitude 38° 02' 30" and West Longitude 120° 30' 02". Exhibit #1 is a map depicting where a transmitter site for Channel 240A can be located and meet the Commission's rules (not considering the licensed facilities of KSKD, Channel 240A, Livingston, California¹). Exhibit #2 is a §73.207 spacing study from the proposed site, demonstrating that Channel 240A meets the Commission's minimum distance separation requirements to all licensed, applied for or proposed facilities (with the exception of KSKD at Livingston, California). From the proposed reference site, a 3.16 mV/m contour will be placed over all of Angels Camp, California.

1) KSKD was ordered to change its community of license to Dos Palos, California in MM Docket #00-92. This docket is now final. KSKD is operating pursuant to an implied STA at Livingston pending a relocation of its facility to Dos Palos. KI understands that KBYN may not be able to implement the requested change to Angels Camp, until KSKD implements service at Dos Palos.

3. Therefore, Southeastern herein requests the following changes in §73.202(b) of the Commission's rules.

Angels Camp, California

Present	Proposed
None	240A

Arnold, California

Present	Proposed
240A, 291B1	291B1

PUBLIC INTEREST

4. The allotment of Channel 240A to Angels Camp, California, will provide that community with its first locally licensable service, without depriving Arnold, California, of its only local service, since KCFA, Channel 291B1, will all remain in Arnold. A re-allotted KBYN, operating on Channel 240A at Angels Camp, California, will provide 60 dBu service to 70,354 persons in 2,516.1 square kilometers.² This represents a net gain of 45,880 persons in 1,724.8 square kilometers over the present operating KBYN in Arnold, California.³ Once Channel 240A is allotted to Angels Camp, California, KI will submit FCC Form 301 to implement the change in community of license.

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- 2) Based on a maximum Class A facility operating with 6.0 kilowatts at 100 meters height above averaged terrain (assuming uniform terrain).
- 3) The operating KBYN facility provides service to 39,946 persons in 3,046.7 square kilometers. There is a common area between KBYN and the proposed Angel's Camp facility, which would receive 60 dBu service from both. This area contains 24,474 persons in 791.3 square kilometers.

5. The gain area is presently receiving service from a minimum of five full-time services. A map depicting the gain area is attached as Exhibit #3. A list of the stations serving the gain area is attached as Exhibit #3A. As such, the gain area is considered well-served.⁴ As a result of the proposed change, the present 60 dBu contour of KBYN will be withdrawn from an area north and northeast of Arnold, California, which now receives service from the station. This loss area contains 15,472 persons in 2,255.4 square kilometers. Some of these areas have less than five full time services.⁵ As shown on Exhibit #4, the KBYN relocation will create a loss area of 388 persons in 869.8 square kilometers, where there are less than five full-time services.⁶ A list of the stations serving the loss area is attached as Exhibit #4A. As such, the proposed re-allotment will not create any white area issues. Further, Angels Camp, California, is not located in any Urbanized Area, as designated by the United States Census.

6. The foregoing technical statement was prepared on behalf of KBYN, Inc., by Graham Brock, Inc., its Technical Consultants. All data related to FM facilities was extracted from the CDBS database and all population data was extracted from the 2000 Census database. We assume no liability for errors or omissions in those databases that may be adverse to the requests contained herein.

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- 4) There are additional facilities serving the area, however, they were not considered, since the gain area is considered well served.
- 5) To determine services, all AM stations, and commercial and non-commercial FM stations in the area were reviewed. For AM Class A stations, the nighttime 0.5 mV/m contour was used for a service contour; all other AM stations nighttime interference free signals were calculated and used for service contributions. For FM commercial stations, maximum facilities were used for each Class, except A. Some Class A stations were considered 3.0 kilowatt Class A stations, while others were depicted as 6.0 kilowatt Class A stations, based on their operating facilities, or spacing review. Class C FM stations are depicted based on the 60 dBu computed using the stations power and height above average terrain. Any non-commercial FM station's 60 dBu reference contour was determined from its licensed facility. Aside from KBYN, and the AM facilities, the FM contours assumed uniform terrain.
- 6) KBYN presently provides a third service to no population in 42.1 square kilometers; a fourth service to 190 persons in 283.7 square kilometers and a fifth service to 198 persons in 544.0 square kilometers.

Graham Brock, Inc. - Broadcast Technical Consultants

Angel's Camp, CA Ref.
Latitude: 38-02-30 N
Longitude: 120-30-02 W
ERP: 6.00 kW
Channel: 240
Frequency: 95.9 MHz
Prop Model: None

KYMX LIMIT

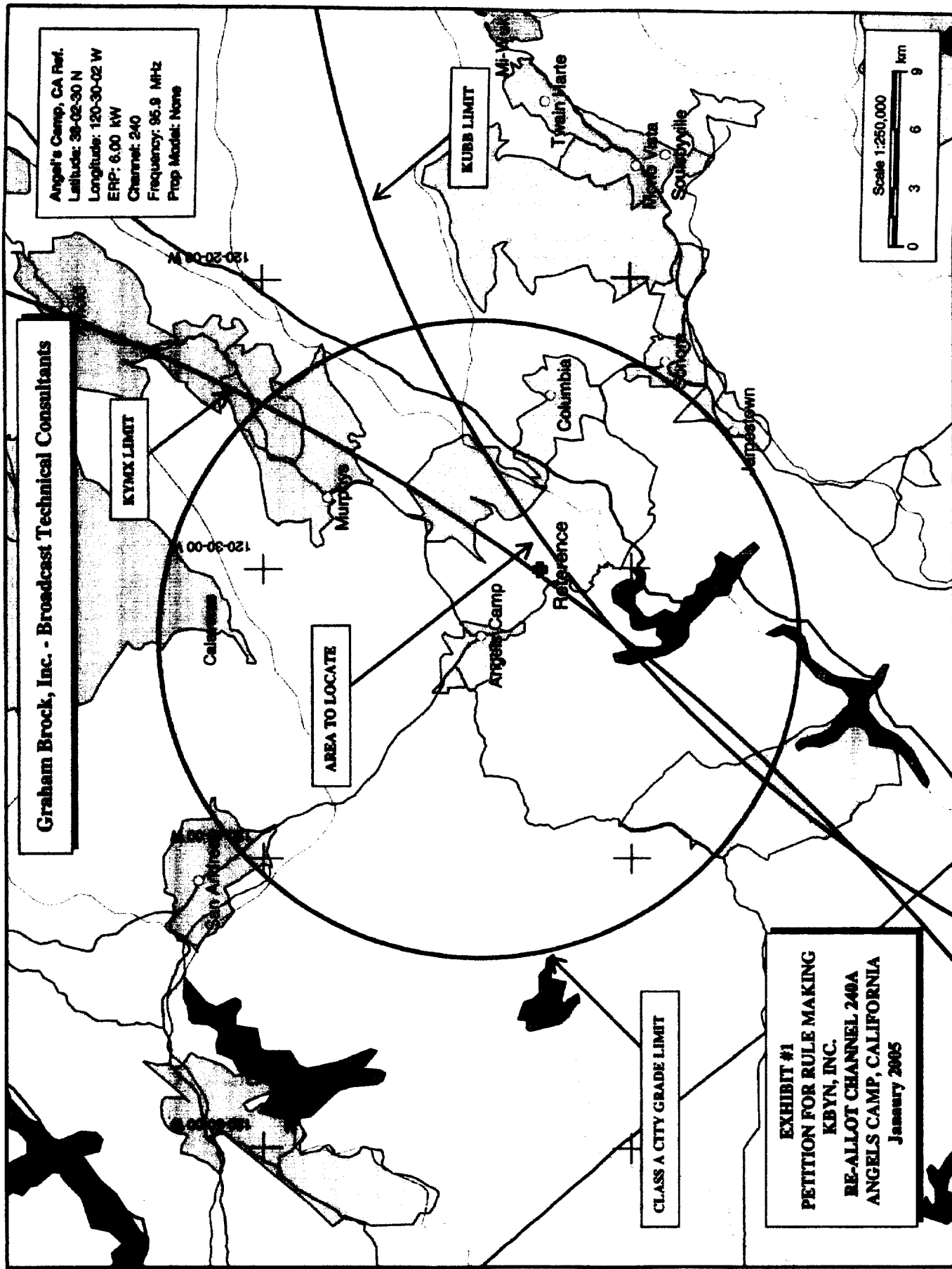
KUBB LIMIT

AREA TO LOCATE

CLASS A CITY GRADE LIMIT

EXHIBIT #1
PETITION FOR RULE MAKING
KBVN, INC.
RE-ALLOT CHANNEL 240A
ANGELS CAMP, CALIFORNIA
January 2005

Scale 1:250,000
0 3 6 9 km



PETITION FOR RULE MAKING

KBYN, INC.

RE-ALLOT CHANNEL 240A

ANGELS CAMP, CALIFORNIA

January 2005

EXHIBIT #2

Allocation study for Angels Camp, California
Using proposed allocation site as reference

REFERENCE	CLASS = A	DISPLAY DATES
38 02 30 N	Current	DATA 01-20-05
120 30 02 W	Spacings	SEARCH 01-20-05
----- Channel 240 - 95.9 MHz -----		

Call	Channel	Location	Dist	Azi	FCC	Margin
	N. Lat.	W. Lng.	Ant	Power	HAAT	
KBYN.C	CP 240A	Arnold	CA 46.04	35.7	115.0	-68.96
	38 22 40	120 11 33	CX	0.860 kW	263 M	
	KBYN, Inc.		BMPH-20020925AAM			
KBYN	LIC 240A	Arnold	CA 46.04	35.5	115.0	-68.96
	38 22 42	120 11 36	CX	0.980 kW	246 M	
	KBYN, Inc.		BMLH-20020516AAD			
KSKD	LIC 240A	Livingston	CA 82.89	193.7	115.0	-32.11
	37 18 57	120 43 20	CN	3.000 kW	93 M	
	Kskd, Inc		BLH-19841113KK			
	> to Channel 240A at Dos Palos, California per MM Docket #00-92					
KYMX	LIC 241B	Sacramento	CA 113.21	306.1	113.0	0.21
	38 38 09	121 33 11	CN	50.000 kW	145 M	
	Infinity Radio Inc.		BLH-19850313KK			
KUBB	LIC 242B	Mariposa	CA 70.01	143.6	69.0	1.01
	37 32 01	120 01 46	CX	1.900 kW	639 M	
	Buckley Broadcasting Corp.		BLH-20020204AAQ			
RADD	ADD 294A	Waterford	CA 42.78	196.7	10.0	32.78
	37 40 21	120 38 26		6.000 kW	100 M	
	Linda A. Davidson					
KJFX	LIC 239B	Fresno	CA 150.89	143.3	113.0	37.89
	36 56 55	119 29 09	CN	17.500 kW	259 M	
	Mesosphere Broadcasting Ltd		BLH-19880616KB			
VA238	VAC 238A	Westley	CA 87.65	223.7	31.0	56.65
	37 28 13	121 11 14	N	6.000 kW	100 M	
KNEV	LIC 238C	Reno	NV 151.91	26.8	95.0	56.91
	39 15 34	119 42 16	CN	60.000 kW	695 M	
	Citadel Broadcasting Company		BLH-19921029KA			
KZBR	LIC 239B	San Francisco	CA 174.78	257.6	113.0	61.78
	37 41 23	122 26 12	CN	6.900 kW	393 M	
	Bonneville Holding Company		BMLH-19930914KB			

Graham Brock, Inc. - Broadcast Technical Consultants

Angel's Camp Ref.
Latitude: 38-02-30 N
Longitude: 120-30-02 W
ERP: 6.00 kW
Channel: 240A
Frequency: 95.9 MHz
Prop Model: None

Alpine

KBYN 60 dBu

KBYN.C

Plymouth

Santer Creek

Jackson

San Andreas

Murphy

Angels Camp

Angels Camp Ref.

Columbia

San Jose

San Jose

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GAIN AREA MAP

EXHIBIT #3
PETITION FOR RULE MAKING
KBYN, INC.
RE-ALLOT CHANNEL 240A
ANGELS CAMP, CALIFORNIA
January 2005

ANGEL'S CAMP 60 dBu

SEE EXHIBIT #3A FOR LIST OF
STATIONS SERVING AREA.

Scale 1:650,000

0 9 18 27 km

PETITION FOR RULE MAKING
KBYN, INC.
RE-ALLOT CHANNEL 240A
ANGELS CAMP, CALIFORNIA
January 2005

EXHIBIT #3A

Tabulation of FM Stations in KBYN Gain Area

<u>#</u>	<u>Call Sign</u>	<u>Freq/Class or Channel/Class</u>	<u>City/State</u>
1	KBR	680 / A	San Francisco, CA
2	KFBK	1530 / A	Sacramento, CA
3	KGO	810 / A	San Francisco, CA
4	KOSL	232B1	Jackson, CA
5	KHOP	236B	Oakdale, CA
6	KKBN	228A	Twain Harte, CA
7	KXSR	219B	Groveland, CA
8	KEKL	208B	East Sonora, CA

PETITION FOR RULE MAKING
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RE-ALLOT CHANNEL 240A
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EXHIBIT #4A

Tabulation of FM Stations in KBYN Loss Area

<u>#</u>	<u>Call Sign</u>	<u>Freq/Class or Channel/Class</u>	<u>City/State</u>
1	KBR	680 / A	San Francisco, CA
2	KFBK	1530 / A	Sacramento, CA
3	KGO	810 / A	San Francisco, CA
4	KEKL	208B	East Sonora, CA
5	KXSR	219B	Groveland, CA
6	KKBN	228A	Twain Harte, CA
7	KOSL	232B1	Jackson, CA
8	KHOP	236B	Oakdale, CA
9	KRZQ	253B	Sacramento, CA
10	KCCL-FM	270B	Shingle Springs, CA
11	KNCI	286B	Sacramento, CA
12	KCFA	291B1	Arnold, CA
13	KWOD	293B	Sacramento, CA
14	KWYL	275C	South Lake Tahoe, CA
15	KOZZ-FM	289C	Reno, NV
16	KRNO	295C	Incline Village, NV
17	KDOT	283C	Reno, NV
18	KBUL-FM	251C	Carson City, NV
19	KZTQ	247C	Carson City, NV